

**Amendments to the Abstract**

Please replace the abstract with the following amended abstract:

**MICROWAVE TUBE WITH MECHANICAL FREQUENCY TUNING**

This invention relates to a microwave tube (3) for generation of an electromagnetic wave with frequency  $F_0$ . The the tube comprises comprising mechanical means for varying the frequency  $F$  composed of a set of rings (A, B, C, D) defining a periodic structure inside the tube and mechanical means (4, 5, 2, G) for displacing rings with respect to each other while maintaining a periodicity for periodic structure during displacement of the rings. The invention is applicable to any type of microwave tube, such as a PWT, a BWO type tube, a klystron, a magnetron, a carcinotron, a maser, etc.

Figure 3A.